ELSEVIER

Physica C 260 (1996) 327–329

PHYSICA C

Author Index to Volume 260

Abell, J.S., see Yang, G., **260**, 103
Aguiló, M., see Cabré, R., **260**, 57
Aktaş, B. and H.Z. Durusoy, A new technique for measuring the microwave penetration depth in high-T_c superconducting thin films, **260**, 81
Amelinckx, S., see Hodges, J.P., **260**, 249
Asaro, R.J., see Blumenthal, W.R., **260**, 33
Asayama, K., see Zheng, G.-q., **260**, 197
Ashworth, S.P., see Ciszek, M., **260**, 93

Balseiro, C.A., see López, D., **260**, 211
Barbanera, S., see Boffa, V., **260**, 111
Bass, F., V.D. Freilikher, B.Ya. Shapiro and M. Shvartser, Effect of the surface roughness on Bean–Livingston surface barrier, **260**, 231
Blumenthal, W.R., Y.T. Zhu, T.C. Lowe and R.J. Asaro, Deformation state effects on the J_c of BSCCO tapes, **260**, 33
Boffa, V., T. Petrisor, L. Ciontea, U. Gambardella and S. Barbanera, Properties of in-situ laser-pulsed deposited YBCO thin films on MgO with $SrTiO_3$ buffer layer, **260**, 111
Braun, H.F., see Nittke, A., **260**, 273

Cabré, R., Jna. Gavaldà, R. Solé, X. Ruiz, M. Aguiló, F. Díaz and E. Martínez, $YBa_2Cu_3O_{6+x}$ and Y_2BaCuO_5 composites obtained by the partial melting zone method, **260**, 57
Campbell, A.M., see Ciszek, M., **260**, 93
Campbell, A.M., see Gross, R.E., **260**, 188
Cao, Y., see Meng, R.L., **260**, 1
Cappannini, O.M., see Weht, R., **260**, 125
Carmona, F., see Dubois, S., **260**, 19
Cataudella, V., see Persico, V., **260**, 41
Chang, I.C., see Zhang, L., **260**, 283
Che, G., see Wang, C., **260**, 64
Chen, X., see Wang, C., **260**, 64
Chen, Y.C., see Meen, T.H., **260**, 117
Chin, C.C., R.J. Lin, Y.C. Yu, C.W. Wang, E.K. Lin, W.C. Tsai and T.Y. Tseng, On the off stoichiometry of cerium oxide thin films deposited by RF sputtering, **260**, 86
Christensen, N.E., see Weht, R., **260**, 125
Chu, C.W., see Meng, R.L., **260**, 1
Ciontea, L., see Boffa, V., **260**, 111
Ciszek, M., B.A. Glowacki, S.P. Ashworth, A.M. Campbell, W.Y. Liang, R. Flükiger and R.E. Gladyshevskii, AC losses and critical currents in Ag/(Tl,Pb,Bi)-1223 tape, **260**, 93

Däumling, M., see Grindatto, D.P., **260**, 25
De la Cruz, F., see López, D., **260**, 211
Díaz, F., see Cabré, R., **260**, 57
Dong, C., see Wang, C., **260**, 64
Dong, Z.C., see Zhu, J.-X., **260**, 217
Dubois, S., F. Carmona and S. Flandrois, Irreversibility line of YBaCuO sintered ceramics, YBaCuO single crystal and superconducting composites studied by AC susceptibility and transport measurements, **260**, 19
Durusoy, H.Z., see Aktaş, B., **260**, 81

Edwards, P.P., see Hodges, J.P., **260**, 249
Erhart, P., see Ivanshin, V.A., **260**, 167
Esquinazi, P., see Nittke, A., **260**, 273

Finkle, T., see Selvamanickam, V., **260**, 313
Fischer, J.E., see Schirber, J.E., **260**, 173
Flandrois, S., see Dubois, S., **260**, 19
Flükiger, R., see Ciszek, M., **260**, 93
Flükiger, R., see Grindatto, D.P., **260**, 25
Fontana, F., see Persico, V., **260**, 41
Freilikher, V.D., see Bass, F., **260**, 231

Gambardella, U., see Boffa, V., **260**, 111
Gauzzi, A., see Wooldridge, I., **260**, 143
Gavaldà, Jna., see Cabré, R., **260**, 57
Geibel, C., see Wang, N.L., **260**, 305
Gladyshevskii, R.E., see Ciszek, M., **260**, 93
Glowacki, B.A., see Ciszek, M., **260**, 93
Gómez, M.E., see Lucia, M.L., **260**, 149
Gough, C.E., see Yang, G., **260**, 103
Grasso, G., see Grindatto, D.P., **260**, 25
Greaves, C., see Hodges, J.P., **260**, 249
Grindatto, D.P., M. Däumling, G. Grasso, H.-U. Nissen and R. Flükiger, TEM study of hot deformation effects on $(Bi,Pb)_2Sr_2Ca_2Cu_3O_x$ silver-sheathed tapes, **260**, 25
Gross, R.E. and A.M. Campbell, Numerical calculation of elastic pinning parameters by point pins, **260**, 188
Guentherodt, H.-J., see Ivanshin, V.A., **260**, 167

Ha, D.H., K.W. Lee, K. Oka, Y. Yamaguchi, F. Iga and Y. Nishihara, Magnetization anomaly and anisotropy of $Bi_2Sr_2CaCu_{2-x}Ni_xO_8$ single crystals, **260**, 242
Haldar, P., see Selvamanickam, V., **260**, 313

Hamada, K., see Zheng, G.-q., **260**, 197
Hansen, L., see Schirber, J.E., **260**, 173
Hickey, B.R., see Meng, R.L., **260**, 1
Hikata, T., see Kiuchi, M., **260**, 177
Hodges, J.P., P.R. Slater, P.P. Edwards, C. Greaves, M. Slaski, G. Van Tendeloo and S. Amelinckx, Observation of superconductivity ($T_c = 50$ K) in a new tetragonal alkaline-earth cuprate $Sr_{0.8}Ba_{1.2}CuO_{3+\delta}$, synthesised at ambient pressure, **260**, 249
Howson, M.A., see Wooldridge, I., **260**, 143
Huang, W.J., see Meen, T.H., **260**, 117

Iga, F., see Ha, D.H., **260**, 242
Ivanshin, V.A., R. Schauwecker, M. Warden, P. Erhart, H. Keller, H.-J. Guentherodt, H.P. Lang and V. Thommen-Geiser, Microwave studies of the superconducting state in Rb_3C_{60}, **260**, 167

Jagla, E.A., see López, D., **260**, 211
Jia, S., see Wang, C., **260**, 64
Jones, I.P., see Yang, G., **260**, 103
Jorgensen, J.D., see Schirber, J.E., **260**, 173
Junod, A., see Roulin, M., **260**, 257

Kato, T., see Kiuchi, M., **260**, 177
Keller, H., see Ivanshin, V.A., **260**, 167
Kinalidis, C., see Meng, R.L., **260**, 1
Kitaoka, Y., see Zheng, G.-q., **260**, 197
Kiuchi, M., E.S. Otabe, T. Matsushita, T. Kato, T. Hikata and K. Sato, Pinning-force density of superconducting Bi-2223 tape wires, **260**, 177
Ku, H.C., see Meen, T.H., **260**, 117
Kutami, H., see Nakamura, M., **260**, 297
Kwei, G.H., see Schirber, J.E., **260**, 173

Lachowski, E.E., see Skakle, J.M.S., **260**, 137
Lang, H.P., see Ivanshin, V.A., **260**, 167
Lee, K.W., see Ha, D.H., **260**, 242
Lee, W.H., see Meen, T.H., **260**, 117
Liang, J., see Wang, C., **260**, 64
Liang, W.Y., see Ciszek, M., **260**, 93
Lin, E.K., see Chin, C.C., **260**, 86
Lin, R.J., see Chin, C.C., **260**, 86
Lin, S.-C., J.T. Richardson and D. Luss, Continuous synthesis of $YBa_2Cu_3O_{6+x}$ by thermal explosion in a rotary kiln, **260**, 321
Liu, J.Z., see Zhang, L., **260**, 283
Liu, Z.X., see Wei, C.D., **260**, 130
Lopera, W., see Lucia, M.L., **260**, 149
López, D., E.A. Jagla, E.F. Righi, E. Osquiguil, G. Nieva, E. Morré, F. de la Cruz and C.A. Balseiro, Dynamic softening of vortex lines in $YBa_2Cu_3O_{7-\delta}$ single crystals, **260**, 211
Lowe, T.C., see Blumenthal, W.R., **260**, 33
Lucia, M.L., J. Santamaria, F. Sánchez-Quesada, W. Lopera, M.E. Gómez and P. Prieto, Influence of epitaxial properties on the mutual inductance response of high-quality YBCO thin films, **260**, 149
Luss, D., see Lin, S.-C., **260**, 321

Maroni, V.A., see Tetenbaum, M., **260**, 71
Martínez, E., see Cabré, R., **260**, 57
Matsushita, T., see Kiuchi, M., **260**, 177
Meen, J., see Meng, R.L., **260**, 1
Meen, T.H., H.D. Yang, W.J. Huang, Y.C. Chen, W.H. Lee, J.H. Shieh and H.C. Ku, Ionic-size effect on the structure and T_c of T'-$(R_{1-x}R'_x)_{1.85}Ce_{0.15}CuO_4$ (R = Pr, Nd, Sm and Eu; R′ = Gd and Y), **260**, 117
Meng, R.L., B.R. Hickey, Y.Y. Sun, Y. Cao, C. Kinalidis, J. Meen, Y.Y. Xue and C.W. Chu, Formation of $HgBa_2Ca_2Cu_3O_{8+\delta}$ with additives under ambient conditions, **260**, 1
Min, J., see Wang, C., **260**, 64
Minnhagen, P., see Persico, V., **260**, 41
Moorthy, P.N., see Tyagi, A.K., **260**, 52
Morosin, B., see Schirber, J.E., **260**, 173
Morré, E., see López, D., **260**, 211

Nakamura, M., H. Kutami and Y. Shiohara, Fabrication of $NdBa_2Cu_3O_{7-\delta}$ single crystals by the top-seeded solution-growth method in 1%, 21%, and 100% oxygen partial pressure atmosphere, **260**, 297
Narasimhan, S.V., see Tyagi, A.K., **260**, 52
Nieva, G., see López, D., **260**, 211
Nishihara, Y., see Ha, D.H., **260**, 242
Nissen, H.-U., see Grindatto, D.P., **260**, 25
Nittke, A., P. Esquinazi, W. Widder and H.F. Braun, Low temperature magnetocaloric effects in $Dy_1Ba_2Cu_3O_{7-\delta}$ and $Y_1Ba_2Cu_3O_{7-\delta}$ high-T_c single crystals, **260**, 273
Noetzel, R., B. vom Hedt and K. Westerholt, Magnetic irreversibility lines and critical currents of Bi(2212) single crystals doped by Fe, Ni, Co and Zn, **260**, 290

Oka, K., see Ha, D.H., **260**, 242
Osquiguil, E., see López, D., **260**, 211
Otabe, E.S., see Kiuchi, M., **260**, 177

Pavuna, D., see Wooldridge, I., **260**, 143
Persico, V., V. Cataudella, F. Fontana and P. Minnhagen, Vortex fluctuations in BSCCO and YBCO, **260**, 41
Peterson, E.J., see Selvamanickam, V., **260**, 313
Petrisor, T., see Boffa, V., **260**, 111
Pfaffenbach, K., see Selvamanickam, V., **260**, 313
Prieto, P., see Lucia, M.L., **260**, 149

Rao, G., see Wang, C., **260**, 64
Rao, U.R.K., see Tyagi, A.K., **260**, 52
Ren, H.T., see Wei, C.D., **260**, 130
Richardson, J.T., see Lin, S.-C., **260**, 321
Righi, E.F., see López, D., **260**, 211
Rodríguez, C.O., see Weht, R., **260**, 125
Roth, E.P., see Selvamanickam, V., **260**, 313
Roulin, M., A. Junod and E. Walker, Scaling behavior of the derivatives of the specific heat of $YBa_2Cu_3O_{6.93}$ at the superconducting transition up to 16 tesla, **260**, 257
Ruiz, X., see Cabré, R., **260**, 57

Sá de Melo, C.A.R., Paramagnetism and reentrant behavior in quasi-one-dimensional superconductors at high magnetic fields, **260**, 224
Salazaar, K.V., see Selvamanickam, V., **260**, 313
Sánchez-Quesada, F., see Lucia, M.L., **260**, 149
Santamaria, J., see Lucia, M.L., **260**, 149
Sato, K., see Kiuchi, M., **260**, 177
Schauwecker, R., see Ivanshin, V.A., **260**, 167
Schirber, J.E., L. Hansen, B. Morosin, J.E. Fischer, J.D. Jorgensen and G.H. Kwei, Effect of pressure on the superconducting primitive cubic and "polymeric" phases of Na_2CsC_{60}, **260**, 173
Selvamanickam, V., T. Finkle, K. Pfaffenbach, P. Haldar, E.J. Peterson, K.V. Salazaar, E.P. Roth and J.E. Tkaczyk, Processing of thallium-based superconducting tapes for high current density, **260**, 313
Shang, P., see Yang, G., **260**, 103
Shapiro, B.Ya., see Bass, F., **260**, 231
Shelton, R.N., see Zhang, L., **260**, 283
Shieh, J.H., see Meen, T.H., **260**, 117
Shiohara, Y., see Nakamura, M., **260**, 297
Shvartser, M., see Bass, F., **260**, 231
Skakle, J.M.S., A. Templeton, E.E. Lachowski and A.R. West, Double plateau T_c behaviour in the tetragonal $LaBa_{1.5}Ca_{0.5}Cu_3O_z$ superconductor, **260**, 137
Slaski, M., see Hodges, J.P., **260**, 249
Slater, P.R., see Hodges, J.P., **260**, 249
Solé, R., see Cabré, R., **260**, 57
Steglich, F., see Wang, N.L., **260**, 305
Sun, Y.Y., see Meng, R.L., **260**, 1

Tanaka, S., see Zheng, G.-q., **260**, 197
Templeton, A., see Skakle, J.M.S., **260**, 137
Tetenbaum, M. and V.A. Maroni, Some aspects of the thermodynamic behavior of the lead-doped Bi-2223 system, **260**, 71
Thommen-Geiser, V., see Ivanshin, V.A., **260**, 167
Tkaczyk, J.E., see Selvamanickam, V., **260**, 313
Tsai, W.C., see Chin, C.C., **260**, 86
Tseng, T.-Y., see Wu, C.-J., **260**, 8
Tseng, T.Y., see Chin, C.C., **260**, 86
Tyagi, A.K., S. Velmurugan, S.V. Narasimhan, U.R.K. Rao and P.N. Moorthy, Study of fluorine incorporation into $YBa_2Cu_3O_{6.5+\delta}$ by X-ray photoelectron spectroscopy, **260**, 52

Van Tendeloo, G., see Hodges, J.P., **260**, 249
Velmurugan, S., see Tyagi, A.K., **260**, 52
Vom Hedt, B., see Noetzel, R., **260**, 290

Walker, D.J.C., see Wooldridge, I., **260**, 143
Walker, E., see Roulin, M., **260**, 257
Wang, C., J. Liang, X. Chen, J. Min, G. Rao, C. Dong, G. Che and S. Jia, Influence of fluorine on the properties of $Nd_{1.85}Ce_{0.15}CuO_{4-\delta}$ n-type superconductor, **260**, 64
Wang, C.W., see Chin, C.C., **260**, 86
Wang, N.L., C. Geibel and F. Steglich, Out-of-plane conductivity in $Bi_2Sr_2CuO_y$ crystals, **260**, 305
Wang, Z.D., see Zhu, J.-X., **260**, 217
Warden, M., see Ivanshin, V.A., **260**, 167
Weht, R., O.M. Cappannini, C.O. Rodríguez and N.E. Christensen, First-principles calculation of compressibilities and their pressure dependence in $LuNi_2B_2C$, **260**, 125
Wei, C.D., Z.X. Liu, H.T. Ren and L. Xiao, Fishtail effects in $YBa_2Cu_3O_y$ crystal prepared by melt-textured growth method, **260**, 130
West, A.R., see Skakle, J.M.S., **260**, 137
Westerholt, K., see Noetzel, R., **260**, 290
Widder, W., see Nittke, A., **260**, 273
Wooldridge, I., M.A. Howson, A. Gauzzi, D. Pavuna and D.J.C. Walker, Comparison of the E–J characteristics of several $YBa_2Cu_3O_{7-\delta}$ thin films, **260**, 143
Wu, C.-J. and T.-Y. Tseng, AC response of the vortex liquid in the high-T_c superconducting cylinder, **260**, 8

Xiao, L., see Wei, C.D., **260**, 130
Xing, D.Y., see Zhu, J.-X., **260**, 217
Xue, Y.Y., see Meng, R.L., **260**, 1

Yamaguchi, Y., see Ha, D.H., **260**, 242
Yamauchi, H., see Zheng, G.-q., **260**, 197
Yang, G., P. Shang, I.P. Jones, J.S. Abell and C.E. Gough, Doping studies on the orthorhombic to monoclinic phase transformation in $Bi_2Sr_2CaCu_2O_y$, **260**, 103
Yang, H.D., see Meen, T.H., **260**, 117
Yu, Y.C., see Chin, C.C., **260**, 86

Zhang, L., J.Z. Liu, I.C. Chang and R.N. Shelton, Dissipative quantum-creep studies in single-crystal $La_2CuO_{4+\delta}$, **260**, 283
Zheng, G.-q., Y. Kitaoka, K. Asayama, K. Hamada, H. Yamauchi and S. Tanaka, NMR study of local hole distribution, spin fluctuation and superconductivity in $Tl_2Ba_2Ca_2Cu_3O_{10}$, **260**, 197
Zhu, J.-X., Z.D. Wang, D.Y. Xing and Z.C. Dong, Differential conductance of normal metal–insulator–d-wave superconductor junctions with interface roughness, **260**, 217
Zhu, Y.T., see Blumenthal, W.R., **260**, 33

ELSEVIER

Physica C 260 (1996) 331–332

PHYSICA C

Analytic Subject Index to Volume 260

AC losses 93
a.c. susceptibility 19
Abrikosov vortex 231
Anisotropy 242
Avalanches 188

BTK-model 217
Bean–Livingston barrier
–calculations 231
Buffer layer 111

Collective pinning 188
Compressibilities
–calculation 125
–of $LuNi_2B_2C$ 125
Continuous synthesis
–of $YBa_2Cu_3O_{6+x}$ 321
Critical current density 93, 111
–in $Dy_1Ba_2Cu_3O_{7-\delta}$ 273
–in $Y_1Ba_2Cu_{3O}7-\delta$ 273
–of $(Bi,Pb)_2Sr_2Ca_2Cu_3O_x$ 25
–of $Bi_2Sr_2Ca_2Cu_3O_{10+x}$ 33
–of $Bi_2Sr_2CaCu_2O_7$ 290
–of Thallium-1223 313
–of $YBa_2Cu_3O_y$ 130
–of $YBa_2Cu_3O_{7-\delta}$ 211
CuO planes 103

Defect structures 25
Deformation state
–of $Bi_2Sr_2Ca_2Cu_3O_{10+x}$ 33
Dimensional crossover
–of $Bi_2Sr_2CaCu_2O_8$ 242
Doping effects
–in $Bi_2Sr_2CaCu_2O_7$ 290
d-wave superconductivity 197

E-J characteristics
–of $YBa_2Cu_3O_{7-\delta}$ thin films 143
ESR 81
–of Rb_3C_{60} 167
Edge constraint 33
Electrical resistivity 41, 111
–of $(R_{1-x}R'_x)_{1.85}Ce_{0.15}CuO_4$ 117
–of $Bi_2Sr_2CuO_y$ crystals 305
–of $Nd_{1.85}Ce_{0.15}CuO_{4-x-y}F_y$ 64
–of $Y_1Ba_2Cu_3O_{7-\delta}$ 149

Fishtail effect 130
Fluctuation effects 41
Flux creep 177
Flux lattice 8
Flux pinning 167, 177, 188
–in $YBa_2Cu_3O_{7-\delta}$ 211

Grain alignment (texturing) 149
–of Y_2BaCuO_5 57
–of $YBa_2Cu_3O_{6+x}$ 57

Hole distribution 197

Iodine intercalation 242
Irreversibility line 19, 177

Local density approximation 125

Magnetic relaxation
–of $La_2CuO_{4+\delta}$ single crystal 283
Magnetic susceptibility
–of $(R_{1-x}R'_x)_{1.85}Ce_{0.15}CuO_4$ 117
–of $Sr_{0.8}Ba_{1.2}CuO_{3+\delta}$ 249
Magnetization anomaly
–in $Bi_2Sr_2CaCu_{2-x}Ni_xO_8$ 242
Magnetization
–of $YBa_2Cu_3O_y$ 130
Magneto-transport measurements 19
Magnetocaloric effect
–in $Dy_1Ba_2Cu_3O_{7-\delta}$ 273
–in $Y_1Ba_2Cu_{3O}7-\delta$ 273
Microwave absorption 167
Mixed state 8

NMR
–of $Tl_2Ba_2Ca_2Cu_3O_{10}$ 197
Normal-state properties
–of $Bi_2Sr_2CuO_y$ crystals 305
Normalized conductance
–calculation 217

Oxygen stoichiometry
–in $LaBa_{1.5}Ca_{0.5}Cu_3O_z$ 137
–in $Nd_{1+x}Ba_{2-x}Cu_3O_{7-\delta}$ single crystals 297
Oxygen vacancies 103
Oxygene stoichiometry
–in $Bi_{1.8}Pb_{0.4}Sr_2Ca_2Cu_3O_x$ 71

Paramagnetism 224
Penetration depth 8
–of $YBa_2Cu_3O_7$ thin films 81
Phase diagram
–of $LaBa_{1.5}Ca_{0.5}Cu_3O_z$ 137
Powder-in-tube technique
Pressure dependence of T_c
–in Na_2CsC_{60} 173

Quantum creep
–in $La_2CuO_{4+\delta}$ single crystal 283

Reentrant superconductivity 224

SHS
–of $YBa_2Cu_3O_{6+x}$ 321
Scaling behaviour of specific heat 257
Shear stress 33
Specific heat
–at T_c 257
–in magnetic field 257
–of $YBa_2Cu_3O_{6.93}$ 257
Spin fluctuations 197
Structural phase transformation 103
Structure
–of $(R_{1-x}R'_x)_{1.85}Ce_{0.15}CuO_4$ 117
–of $Bi_{1.8}Pb_{0.4}Sr_2Ca_2Cu_3O_x$ 71
–of $LaBa_{1.5}Ca_{0.5}Cu_3O_z$ 137
–of $Sr_{0.8}Ba_{1.2}CuO_{3+\delta}$ 249
Substitution effects
–in $Bi_2Sr_2CaCu_2O_y$ 103
–in $HgBa_2Ca_2Cu_3O_{8+\delta}$ 1
–in $Nd_{1+x}Ba_{2-x}Cu_3O_{7-\delta}$ 297
Superconducting composites 19
Superconducting properties
–of $Nd_{1.85}Ce_{0.15}CuO_{4-x-y}F_y$ 64

Synthesis
–of CeO_y films 86
–of $HgBa_2Ca_2Cu_3O_{8+\delta}$ 1
–of $Nd_{1+x}Ba_{2-x}Cu_3O_{7-\delta}$ single crystals 297
–of $Nd_{1.85}Ce_{0.15}CuO_{4-x-y}F_y$ 64
–of $Sr_{0.8}Ba_{1.2}CuO_{3+\delta}$ 249
–of Thallium-1223 313
–of Y_2BaCuO_5 57
–of $YBa_2Cu_3O_{6+x}$ 57
Thermomechanical processing 313
Thin films 41, 149
Transmission electron microscopy 25
Tunneling spectra 217
Twin boundaries 103
Vortex elastic constants 211
Vortex glass transition 143
X-ray photoemission
–of CeO_y 86
XPS
–of $YBa_2Cu_3O_{5.0}F_3$ 52
–of $YBa_2Cu_3O_{6.5+\delta}$ 52
$Y_1Ba_2Cu_3O_{7-y}$ thin films 111

ELSEVIER

Physica C 260 (1996) 333

PHYSICA C

Materials Index to Volume 260

$(Bi,Pb)_2Sr_2Ca_2Cu_3O_x$
–critical current density 25
$Bi_{1.8}Pb_{0.4}Sr_2Ca_2Cu_3O_x$
–oxygene stoichiometry 71
–structure 71
$Bi_2Sr_2Ca_2Cu_3O_{10+x}$
–critical current density 33
–deformation state 33
$Bi_2Sr_2CaCu_2O_y$
–substitution effects 103
$Bi_2Sr_2CaCu_2O_7$
–critical current density 290
–doping effects 290
$Bi_2Sr_2CaCu_2O_8$
–dimensional crossover 242
$Bi_2Sr_2CaCu_{2-x}Ni_xO_8$
–magnetization anomaly 242
$Bi_2Sr_2CuO_y$ crystals
–electrical resistivity 305
–normal-state properties 305

calculation
–compressibilities 125
–normalized conductance 217
calculations
–bean–Livingston barrier 231
CeO_y films
–synthesis 86
CeO_y
–x-ray photoemission 86

$Dy_1Ba_2Cu_3O_{7-\delta}$
–critical current density 273
–magnetocaloric effect 273

$HgBa_2Ca_2Cu_3O_{8+\delta}$
–substitution effects 1
–synthesis 1

$La_2CuO_{4+\delta}$ single crystal
–magnetic relaxation 283
–quantum creep 283
$LaBa_{1.5}Ca_{0.5}Cu_3O_z$
–oxygen stoichiometry 137
–phase diagram 137
–structure 137
$LuNi_2B_2C$
–compressibilities 125

magnetic field
–specific heat 257

Na_2CsC_{60}
–pressure dependence of T_c 173
$Nd_{1+x}Ba_{2-x}Cu_3O_{7-\delta}$ single crystals
–oxygen stoichiometry 297
–synthesis 297
$Nd_{1+x}Ba_{2-x}Cu_3O_{7-\delta}$
–substitution effects 297
$Nd_{1.85}Ce_{0.15}CuO_{4-x-y}F_y$
–electrical resistivity 64
–superconducting properties 64
–synthesis 64

Rb_3C_{60}
–eSR 167
$(R_{1-x}R'_x)_{1.85}Ce_{0.15}CuO_4$
–electrical resistivity 117
–magnetic susceptibility 117
–structure 117

$Sr_{0.8}Ba_{1.2}CuO_{3+\delta}$
–magnetic susceptibility 249
–structure 249
–synthesis 249

T_c
–specific heat 257
Thallium-1223
–critical current density 313
–synthesis 313
$Tl_2Ba_2Ca_2Cu_3O_{10}$
–nMR 197

$Y_1Ba_2Cu_{3O}7-\delta$
–critical current density 273
–magnetocaloric effect 273
$Y_1Ba_2Cu_3O_{7-\delta}$
–electrical resistivity 149
Y_2BaCuO_5
–grain alignment (texturing) 57
–synthesis 57
$YBa_2Cu_3O_y$
–critical current density 130
–magnetization 130
$YBa_2Cu_3O_{5.0}F_3$
–xPS 52
$YBa_2Cu_3O_{6+x}$
–continuous synthesis 321
–grain alignment (texturing) 57
–sHS 321
–synthesis 57
$YBa_2Cu_3O_{6.5+\delta}$
–xPS 52
$YBa_2Cu_3O_{6.93}$
–specific heat 257
$YBa_2Cu_3O_7$ thin films
–penetration depth 81
$YBa_2Cu_3O_{7-\delta}$ thin films
–*E-J* characteristics 143
$YBa_2Cu_3O_{7-\delta}$
–critical current density 211
–flux pinning 211